KC-130J MAINTENANCE AND AIRCREW TRAINING SYSTEM (JMATS) WAY AHEAD

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USMC KC-130J
JMATS PHASES

INITIAL JMATS STAND UP (OCT 03)

- Initial USMC KC-130J Fam Training with USAF (JMATS)
- USMC Tactics Training at 2D MAW
- VMGR-252 IOC Jan 04

USAF TACTICAL TESTING (OCT 03- FEB 06)

- Develop Common USAF/USMC Tactics Training Program
- USAF IOC Mar 06

FULL JMATS CAPABILITY (FEB 06)

- Initial USMC Fam/Tactics Training (JMATS)
- USMC Specific Tactics Training (VMGR)

USAF C-130 JMATS CONCEPT

FOLLOWS PROVEN C-17 TRAINING CONCEPT

- Operating since 1994
- First HUD/Digital Cockpit Transport Aircraft

COMPUTER BASED TRAINING EMPHASIS

- Contractor Managed
- Data Entry and Flight System Focused

EXTENSIVE FLIGHT SIMULATION

- Contractor Instructors
- 32 Simulator Events/ No Flights in Pilot Fam Syllabus
- Category “D” Simulators

USAF C-130 JMATS CONCEPT

REALISTIC ENLISTED AIRCREW TRAINING

- Loadmaster Simulators
- Full Scale Fuselage Trainers

SMALL FLIGHT LINE CADRE

- 14 JMATS Aircraft support 213 Aircraft fleet (All Training)
- Contractor Maintenance

TWO CO-PILOT INITIAL QUALIFICATION (CIQ)

- CIQ1- Basic Familiarization
- CIQ2- Basic Tactics

USAF JMATS PILOT CIQ1 SYLLABUS

LEVEL 1 QUALIFICATION (FAM/INST)

CBT/ Classroom	176.5 HRS
Avionics Trainers	8
CPT	7
Simulator Events	17
Aircraft Flights	NONE

STARTS OCT 03

Time to Train = 60 DAYS

- First USMC Students (6) Start OCT 03
- VMGR-252 IOC JAN 04
- Crew Chief Training at NAMTRA
- USMC Loadmaster Training with JMATS

USAF JMATS PILOT CIQ2 SYLLABUS

LEVEL 2 QUALIFICATION (AD, TLZ, LL, ASE, NVG)

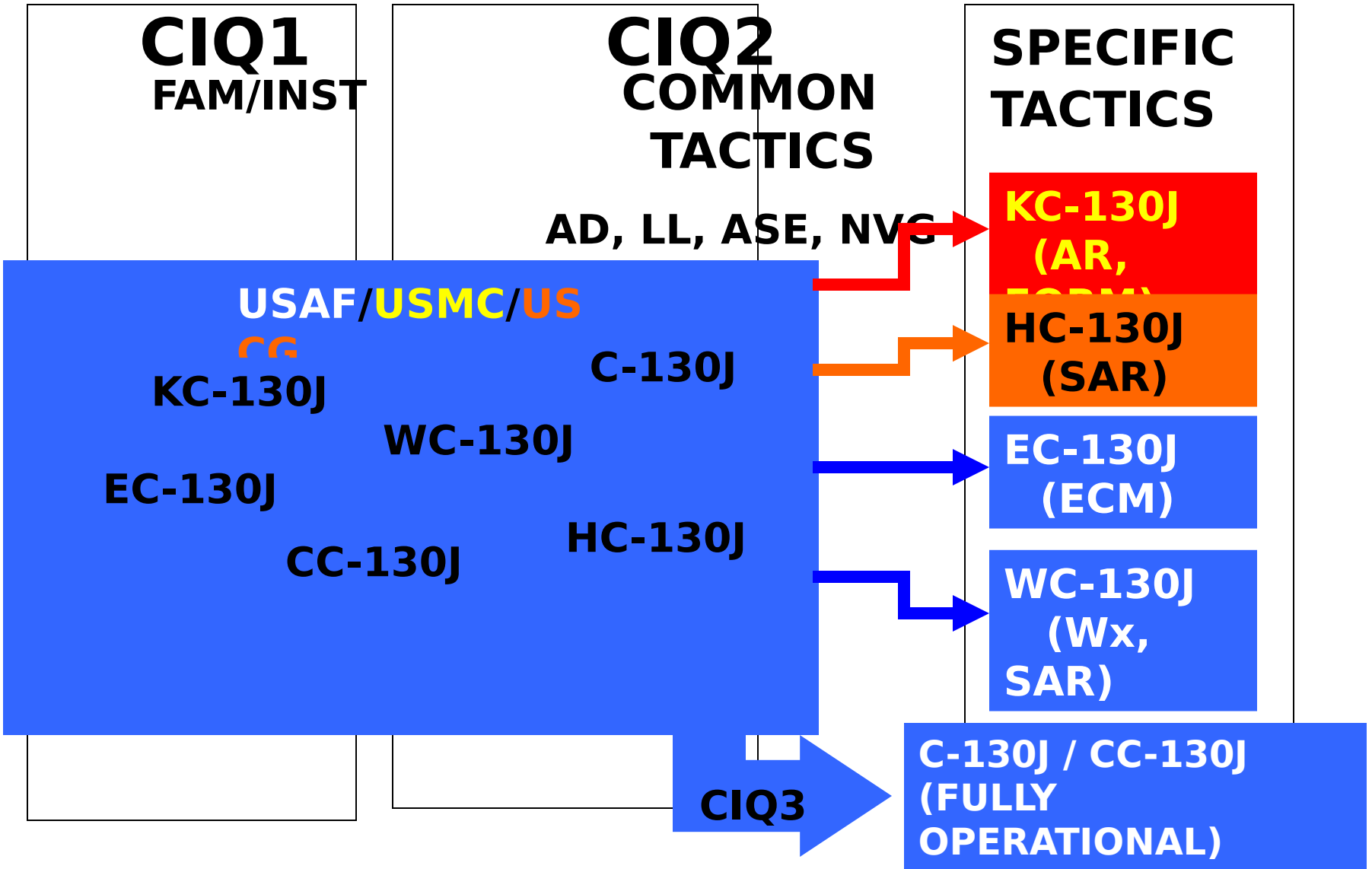
Classroom	75.0 HRS
Avionics Trainers	1
Simulator Events	7
Aircraft Flights	3

STARTS FEB 06

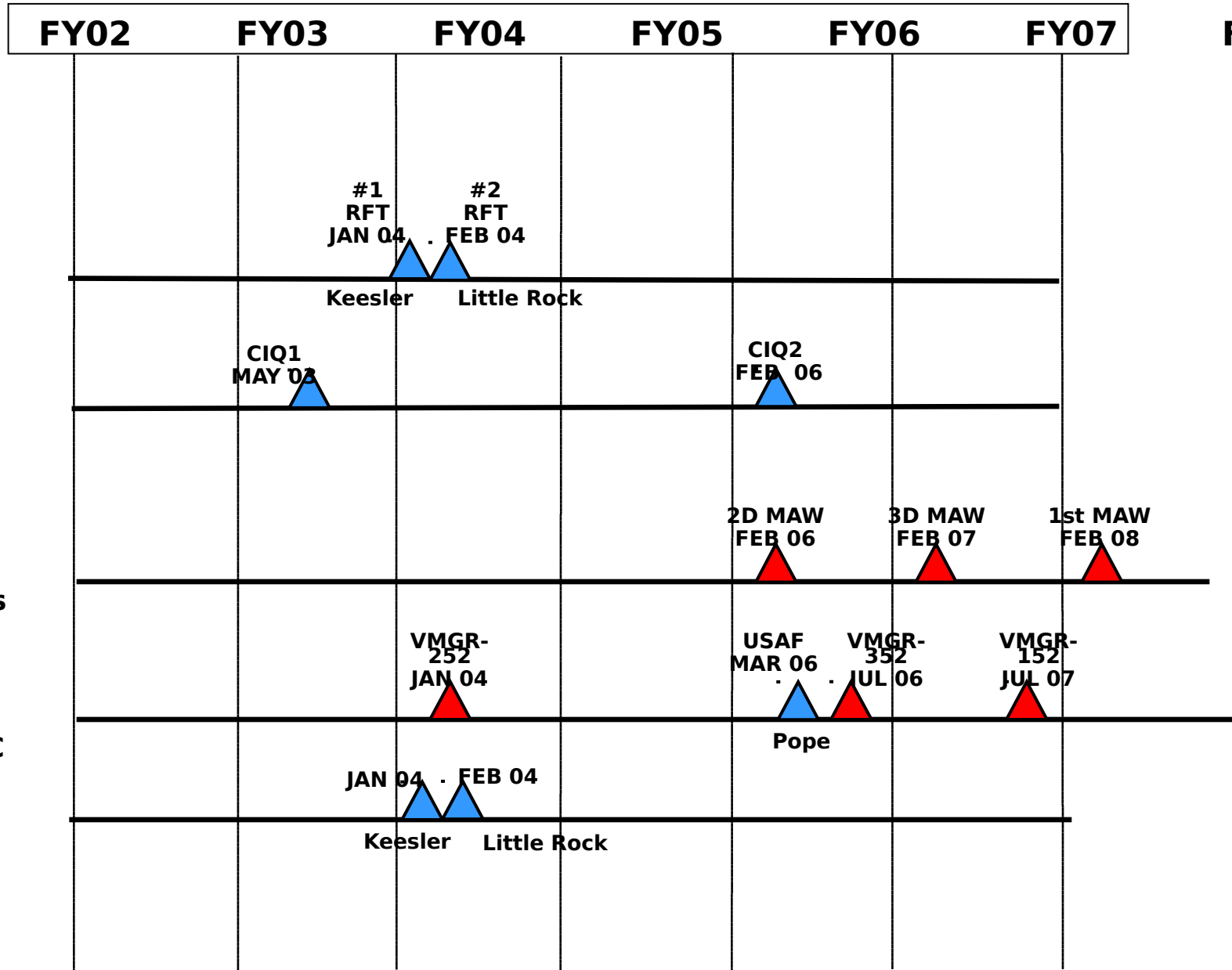
Time to Train = 21 DAYS

- VMGR-252 IOC JAN 04
- Delayed for DECM, CNS/ATM and Software Upgrades
- All KC-130J Tactical Training at 2d MAW until FY 06
- Crew Chief Training in VMGR
- Loadmaster Training with Legacy USAF

JMATS TRAINING CONCEPT



KC-130J MATS TIMELINE



KC-130J
TRAINING ISSUES

“SIM ONLY” TRAINING SUITABILITY

- CIQ1 = NATOPS Complete
  - USMC Instructor provides NATOPS Check at JMATS
- USMC Specific Fam Flights Required
  - Fam Series in Operational Units

TACTICAL USMC/USAF COMMONALITY

- Possible
  - Aerial Delivery, Low Level, NVG, ASE
- USMC Specific
  - Aerial Refueling
  - Formation

DETERMINE FISCAL/ MANPOWER/ AIRCRAFT REQUIREMENTS

CONCLUSIONS

1. C-130J JMATS Concept can Save USMC Money, Manpower and Training Time

2. “Simulator Only” Training is a Proven Concept

3. JMATS Supports the USMC KC-130J Crew Concept

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BACK UP SLIDES

USAF JMATS ADVANTAGES

MORE KC-130J FOR OPERATIONAL USE

- Current VMGRT PAA = 8 (79 KC-130 Inventory)
- EARLIER IOCS

MORE MANPOWER FOR OPERATIONAL USE

- VMGRT T/O: Officer-16 Enlisted-164

REDUCED TRAINING TIME

- JMATS - 16 Weeks
- VMGRT - 28 Weeks

INTEROPERABILITY

- Common Tactics

PILOT TRAINING CONCEPT

— INITIAL QUALIFICATION

FAM/INSTRUMENT

LITTLE ROCK AFB

60 DAYS

C-130J COMMON TACTICS

LOW LEVEL
AERIAL DELIVERY
TEMPORARY LANDING ZONE
ASE

LITTLE ROCK AFB

21 DAYS

KC-130J SPECIFIC TACTICS

AERIAL REFUELING
FORMATION

USMC OPERATIONAL UNITS

14 DAYS

VMGRT-253 ISSUES

DETERMINE INTERIM TACTICAL TRAINING ORGANIZATION

- **VMGR-252**
  - MORE KC-130J IN OPERATIONAL FLEET (12 VICE 10)
  - AVOIDS KC-130F AND KC-130J MAINT REQT AT FRS
- **VMGRT-253**
  - REMOVE TRAINING BURDEN FROM OPERATIONAL SQDN

DETERMINE KC-130F/R/T FRS WAY AHEAD

- **MOVE 2ND MAW SIMULATOR TO 4TH MAW – JAN 04**
  - VMGR-252 IOC JAN 04
  - NO FUNDS BUDGETED FOR MOVE ($1 MIL)
- **MOVE 2ND MAW SIMULATOR TO 4TH MAW – JUN 06**
  - VMGR 352 IOC JUN 06
  - 66% OF F/R/T TRAINING REQT ELIMINATED
- **STATUS QUO UNTIL FOC (2013)**

4TH MAW FRS CAPABILITY

MOVE 2ND MAW SIMULATOR TO 4TH MAW – JAN 04

- VMGR-252 IOC JAN 04
- FY 04 F/R/T PTR = 20
- NAMTRA REMAINS IN PLACE
- NO FUNDS BUDGETED FOR MOVE ($1 MIL)

OR

MOVE 2ND MAW SIMULATOR TO 4TH MAW – JUN 06

- VMGR 352 IOC JUN 06
- FY 06 F/R/T PTR = 12

CRITICAL ISSUES

DOCTRINE

BEST VMGR LAYDOWN

- 4 ACTIVE DUTY VMGR
- 3 LARGER VMGR
- 1 “SPECIAL OPS” VMGR

MANPOWER

JMATS USMC MANPOWER SUPPORT

TRAINING

USAF CIQ 2 (TACTICAL SYLLABUS) VALUE

EQUIPMENT

JMATS USMC AIRCRAFT SUPPORT

SUPPLY/ FACILITIES

USMC FISCAL SUPPORT REQUIREMENT